

Appl. No. 10/820,240
Amendment Date November 6, 2006
Reply to Office action of July 6, 2006

RECEIVED
CENTRAL FAX CENTER
NOV 06 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 9. (Cancelled)

10. (Currently Amended) A retinal prosthesis comprising:

An electrode array suitable to be mounted in close proximity to a retina;

An electronics package;

An electrical cable coupling said electrode array to said electronics package said electrical cable suitable to pierce the pars plana region of the sclera;

A secondary inductive coil, electrically coupled to said electronics package and suitable to be mounted to side of a sclera;

wherein said cable and electrode array comprise metal traces sandwiched between thin polymer films; and

~~The retinal prosthesis according to claim 9, wherein said cable is folded to present the same side of said cable to both said electronics package and the retina.~~

11. - 14. (Cancelled)

15. (Currently Amended) A retinal prosthesis comprising:

An electrode array suitable to be mounted in close proximity to a retina;

An electronics package;

An electrical cable coupling said electrode array to said electronics package said electrical cable suitable to pierce the pars plana region of the sclera;

A secondary inductive coil, electrically coupled to said electronics package and suitable to be mounted to side of a sclera; and

Appl. No. 10/820,240
Amendment Date November 6, 2006
Reply to Office action of July 6, 2006

A strap connected to said secondary inductive coil and surrounding the sclera; The retinal prosthesis according to claim 2, further comprising

A fan tail, having a decreasing radius of curvature, connected to said electronics package and to said cable to facilitate passing said cable through the sclera.

16. - 35. (Cancelled)

Appl. No. 10/820,240
Amendment Date November 6, 2006
Reply to Office action of July 6, 2006

36. (Currently Amended) A retinal prosthesis comprising:

An electrode array suitable to be mounted in close proximity to a retina;

An electronics package;

An electrical cable coupling said electrode array to said electronics package;

A secondary inductive coil, electrically coupled to said electronics package and suitable to be mounted to the side of a skull outside the orbit of the eye;

~~The retinal prosthesis according to claim 35, further comprising:~~

A first passive coil suitable be mounted within the body on the side of a skull; and

A second passive coil electrically coupled to said first passive coil and suitable to be mounted within the body proximate to said secondary inductive coil.

37.-40. (Cancelled)

41. (Previously Presented) A retinal prosthesis comprising:

An electrode array suitable to be mounted in close proximity to a retina;

An electronics package;

An electrical cable coupling said electrode array to said electronics package;

A fan tail having a decreasing radius connected to said electronics package; and

A secondary inductive coil, electrically coupled to said electronics package and suitable to be mounted to the side of a sclera.

42. (Previously Presented) The retinal prosthesis according to claim 41 wherein said fantail is connected to said cable to facilitate passing said cable through the sclera.

43. (Cancelled)

44. (Previously Presented) A retinal prosthesis comprising:

An electrode array suitable to be mounted in close proximity to a retina;

An electronics package;

A folded electrical cable coupling said electrode array to said electronics package; and

Appl. No. 10/820,240
Amendment Date November 6, 2006
Reply to Office action of July 6, 2006

A secondary inductive coil, electrically coupled to said electronics package and suitable to be mounted to the side of a sclera.

45. (Previously Presented) The retinal prosthesis according to claim 44, wherein said cable is folded to present the same side of said cable to both said electronics package and the retina.